BIOPHARMACEUTICS & DRUG DISPOSITION
(*Biopharm. drug dispos.*)

CONTENTS

Volume 1, Issue Nos. 1–6

Issue No. 1, July–September 1979

Editorial 1

R. L. Milsap, J. W. Ayres, J. J. MacKichan and J. G. Wagner: Comparison of Two Dissolution Apparatuses with Correlation of *In Vitro–In Vivo* Data for Prednisone and Prednisolone Tablets . . 3

D. S. Sitar, J. R. Ruedy, D. H. Shaw, Jr., A. W. Maksymiuk and M. P. Thirlwell: Disposition of 5-Fluorouracil during Chronic Hepatic Arterial Infusion to Patients with Carcinoma in the Liver and Effect on Circulating Platelets 19

R. Gollamudi, M. C. Meyer and A. B. Straughn: Simultaneous Determination of Methenamine and Formaldehyde in the Urine of Humans after Methenamine Administration 27

R. Whelpton: Data Compilation: Benzodiazepine Compounds . . 37

CONFERENCES 47

BOOK REVIEWS 49

Issue No. 2, October–December 1979

J. R. Lawrence, S. M. Bryson, D. J. Sumner, B. C. Campbell and B. Whiting: The Renal Clearance of Disopyramide after Bolus Intravenous Injection 51

A. R. Waller, L. F. Chasseaud, T. Taylor, A. Darragh and D. A. O'Kelly: Plasma Concentrations and Pharmacokinetics of Dihydralazine after Single Oral Doses to Human Subjects 59

A. C. Altamura, R. Whelpton and S. H. Curry: Animal Model for Investigation of Fluphenazine Kinetics after Administration of Long-acting Esters 65

J. C. Crawhall, D. Lecavalier and P. Ryan: Penicillamine, its Metabolism and Therapeutic Applications: A Review 73

Indexed or abstracted by 'Current Contents', 'Science Citation Index' and other leading Indexing/Abstracting Services.

Issue No. 3, January–March 1980

H. M. Hill, J. Chamberlain, P. Hajdu and D. Damm: Rapid Fluorimetric Procedure for the Analysis of Fendosal in Plasma and Data following Oral Dosing 97

H. L. J. Fleuren, C. P. W. Verwey-Van Wissen and Th. A. Thien: Biliary Excretion of Chlorthalidone in Humans 103

S. Sved and D. L. Wilson: Analysis of Allopurinol and Oxypurinol in Plasma and its Application to Metabolic Studies 111

J. Newburger and S. Stavchansky: A Determinant Solution for Infinity Values of Multi-exponential Equations Using Equal Time Intervals 119

L. Dal Bo, F. Marcucci, E. Mussini, D. Perbellini, A. Castellani and P. Fresia: Plasma Levels of Chlorodesmethyldiazepam in Humans . 123

I. Polacek and H. Mühlbauer: The Effect of Displacement from Protein Binding on Serum and Tissue Fluid Levels of Cephazolin . . 127

D. D. Shen, J. L. Cunningham, I. Shudo and D. L. Azarnoff: Disposition Kinetics of Disopyramide in Patients with Renal Insufficiency . 133

E. Doyle, L. F. Chasseaud and T. Taylor: Measurement of Plasma Concentrations of Isosorbide Dinitrate 141

T. Taylor, L. F. Chasseaud, E. Doyle, A. Darragh, D. A. O'Kelly and D. Fitzgerald: Pharmacokinetics of Isosorbide Dinitrate after Intravenous Infusion in Human Subjects 149

BOOK REVIEWS 157

Issue No. 4, April–June 1980

J. J. MacKichan, D. R. Pyszczynski and W. J. Jusko: Dose-dependent Disposition of Oral Propranolol in Normal Subjects 159

G. Sirois, M. Eshaque and M. Chabot: Relative Bioavailability of Three Commercial Quinidine Dosage Forms 167

J. A. Owen and K. Nakatsu: Disposition of Intravenous Theophylline-7-Acetic Acid in Rabbits 179

G. Caillé, J-G. Besner, Y. Lacasse and M. Vézina: Pharmacokinetic Characteristics of Two Different Formulations of Trimipramine Determined with a New GLC Method 187

G. Caillé, J-G. Besner, Y. Lacasse and M. Vézina: Pharmacokinetic Characteristics of Ketoprofen Suppositories 195

F. L. S. Tse and P. G. Welling: Pharmacokinetics of Acetylmethadols I: Gas–Liquid Chromatographic Determination of L-α-Acetylmethadol and its Major Metabolites in Plasma 203

H. Z. Hill, R. Backer and G. J. Hill II: Blood Cyanide Levels in Mice after Administration of Amygdalin 211

Issue No. 5, July–September 1980

F. L. S. Tse and P. G. Welling: Pharmacokinetics of Acetylmethadols II: Plasma Levels of D- and L-α-Acetylmethadol and their Major Metabolites in the Dog 221

L. W. Whitehouse, C. J. Paul and B. H. Thomas: Isoniazid-induced Intolerance to Ethanol in Rabbit, Guinea Pig and Rat . . . 235

J. Q. Rose, A. M. Yurchak, W. J. Jusko and D. Powell: Bioavailability and Disposition of Prednisone and Prednisolone from Prednisone Tablets 247

R. N. Gupta and G. Molnar: Plasma Levels and Tricyclic Antidepressant Therapy: Part I. A Review of Assay Methods . . 259

BOOK REVIEWS 279

Issue No. 6, October–December 1980

G. Molnar and R. N. Gupta: Review Article: Plasma Levels and Tricyclic Antidepressant Therapy: Part 2. Pharmacokinetic, Clinical and Toxicologic Aspects 283

R. Dugal, C. Dupuis, M. Bertrand and M-A. Gagnon: The Effect of Buffering on Oxyphenbutazone Absorption Kinetics and Systemic Availability 307

J. McAinsh, W. T. Simpson, B. F. Holmes, J. Young and S. H. Ellis: Bioavailability of Atenolol Formulations 323

BOOK REVIEWS 333

FORTHCOMING MEETINGS 335

Author Index 337

Key Word Index 338